

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Design Plastics, Inc. 701 North Andrews Avenue Ft. Lauderdale, FL 33311

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida building Code.

DESCRIPTION: Self Curbing and Curb Mount Skylights

APPROVAL DOCUMENT: Drawing No. 12-160, titled "Details for Self Curbing and Curb Mount Skylights, Components for Self Curbing and Curb Mount Skylights, and Basic Dimensions Charts / General Notes ", sheets # 1 through 5 of 5, prepared by Design Plastics, Inc., dated August 17, 2000 with last revision dated October 11, 2012 signed & sealed by Walter A. Tillit Jr., P.E. bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section MISSILE IMPACT RATING: Large & Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein and the dome shall be properly marked by the manufacturers of Implex Acrylic, Atofina Chemical, Inc.

RENEWAL of this NOA shall not be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA # 12-1019.16 and consists of this page 1, evidence submitted pages E-1, E-2, E-3, and E-4 as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.

(MIAMI-DADE COUNTY)

He by A. Nelon 04/02/2015

NOA No. 15-0316.07 Expiration Date: 05/10/2020 Approval Date: 04/02/2015

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 05-0201.01

A. DRAWINGS

- 1. Drawing prepared by Design Plastics, Inc., titled "Details & Components for Self Curbing Skylights, Details & Components for Curb Mount Skylights and Basic Dimensions Charts/General Notes", drawing without number, dated 08/17/00, last revision on 12/21/04, sheet 1 through 5 of 5, signed & sealed by W. A. Tillit Jr., PE.
- 2. Die drawings prepared by Tifton Aluminum Company, Inc., titled DPI 7 & DPI 10, dated 05/15/97 & 05/20/97, drawn by M.W.B.

B. TESTS

1. Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test on "Series: Double Dome Curb Mount, & Self Curb Acrylic Skylight", prepared by Fenestration Testing Laboratory, Inc., Laboratory No. 2608, dated 04/05/2000, signed and sealed by A. P. Gonzalez, PE.

C. CALCULATIONS

1. Anchor calculations, dated 08/09/00, pages 1 through 4 of 4, prepared by Tilteco, Inc, Revised on 04/12/01, signed and sealed by W. A. Tillit, PE.

D. STATEMENTS

- 1. Letter of Test compliance issued by Fenestration Testing Laboratory, on 04/20/00, signed and sealed by A.P. Gonzalez, PE.
- 2. Letter of No-financial interest issued by Tilteco, Inc. dated 08/22/00, signed and sealed by W. A. Tillit, Jr. PE.
- 3. Code compliance letter issued by Tilteco, Inc., on 08/22/00, signed and sealed by W. A. Tillit, Jr. PE.
- 4. No change letter issued by Design Plastics, Inc., dated 04/26/04, signed by G. Taylor.

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 09-0330.03

A. DRAWINGS

1. None.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. By Miami-Dade County Building Code Compliance Office.

E. MATERIAL CERTIFICATIONS

1. None.

Helmy A. Makar, P.E., M.S. Product Control Unit Supervisor NOA No. 15-0316.07

Expiration Date: 05/10/2020 Approval Date: 04/02/2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 09-0610.08

A. DRAWINGS

1. Drawing No. 09-077, titled "Details & Components for Self Curbing Skylights, Details & Components for Curb Mount Skylights and Basic Dimensions Charts / General Notes", sheets # 1 through 5 of 5, prepared by Design Plastics, Inc., dated August 17, 2000 with last revision dated May 20, 2009 signed and sealed by Walter A. Tillit Jr., P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. Calculation titled "Revision of Current Miami-Dade County Product Approval for 2007 Florida Building Code High Velocity Hurricane Zone", dated May 22, 2009, 7 pages, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E.

D. QUALITY ASSURANCE

1. By Miami-Dade County Building Code Compliance Office.

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. FBC 2007 edition Code compliance letter issued by Tilteco, Inc., dated May 26, 2009, signed and sealed by Walter A. Tillit, Jr., P.E.

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 10-0510.03

A. DRAWINGS

1. Drawing No. 09-077, titled "Details & Components for Self Curbing Skylights, Details & Components for Curb Mount Skylights and Basic Dimensions Charts / General Notes", sheets # 1 through 5 of 5, prepared by Design Plastics, Inc., dated August 17, 2000 with last revision dated May 20, 2009 signed and sealed by Walter A. Tillit Jr., P.E.

B. TESTS

1. Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test on "Series: Curb Mount double Dome Curb Mounted Acrylic Skylight", prepared by Fenestration Testing Laboratory, Inc., Laboratory No. 6260, dated 06/23/2010, signed and sealed by Jorge A. Causo, PE.

Helmy A. Makar, P.E., M.S. Product Control Unit Supervisor

NOA No. 15-0316.07

Expiration Date: 05/10/2020 Approval Date: 04/02/2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test on "Series: Double Dome Self Curb Acrylic Skylight", prepared by Fenestration Testing Laboratory, Inc., Laboratory No. 6266, dated 06/23/2010, signed and sealed by Jorge A. Causo, PE.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. By Miami-Dade County Building Code Compliance Office.

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. FBC 2007 edition Code compliance letter issued by Tilteco, Inc., dated May 26, 2009, signed and sealed by Walter A. Tillit, Jr., P.E.

5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 12-1019.16

A. DRAWINGS

1. Drawing No. 12-160, titled "Details for Self Curbing and Curb Mount Skylights, Components for Self Curbing and Curb Mount Skylights, and Basic Dimensions Charts / General Notes", sheets # 1 through 5 of 5, prepared by Design Plastics, Inc., dated August 17, 2000 with last revision dated October 11, 2012 signed and sealed by Walter A. Tillit Jr., P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. By Miami-Dade County Department of Regulatory and Economic Resources.

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. FBC 2010 edition Code compliance letter issued by Tilteco, Inc., dated October 11, 2012, signed and sealed by Walter A. Tillit, Jr., P.E.

Helmy A. Makar, P.E., M.S. Product Control Unit Supervisor

NOA No. 15-0316.07

Expiration Date: 05/10/2020 Approval Date: 04/02/2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 6. NEW EVIDENCE SUBMITTED
- A. DRAWINGS
 - 1. None.
- B. TESTS

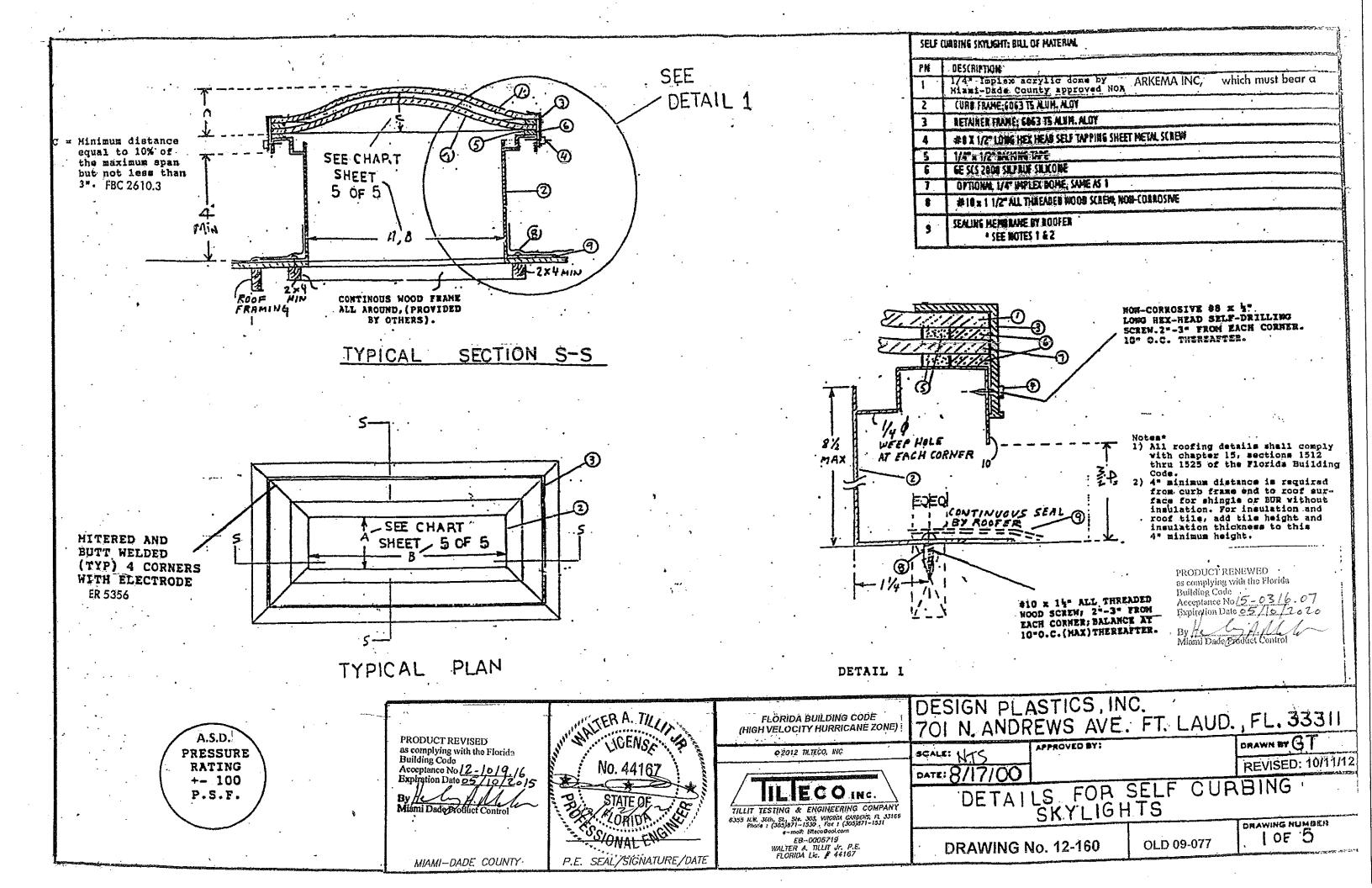
1. None.

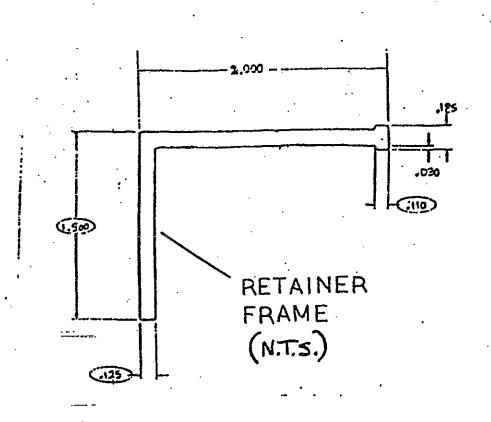
- C. CALCULATIONS
 - 1. None.
- D. QUALITY ASSURANCE
 - 1. By Miami-Dade County Department of Regulatory and Economic Resources.
- E. MATERIAL CERTIFICATIONS

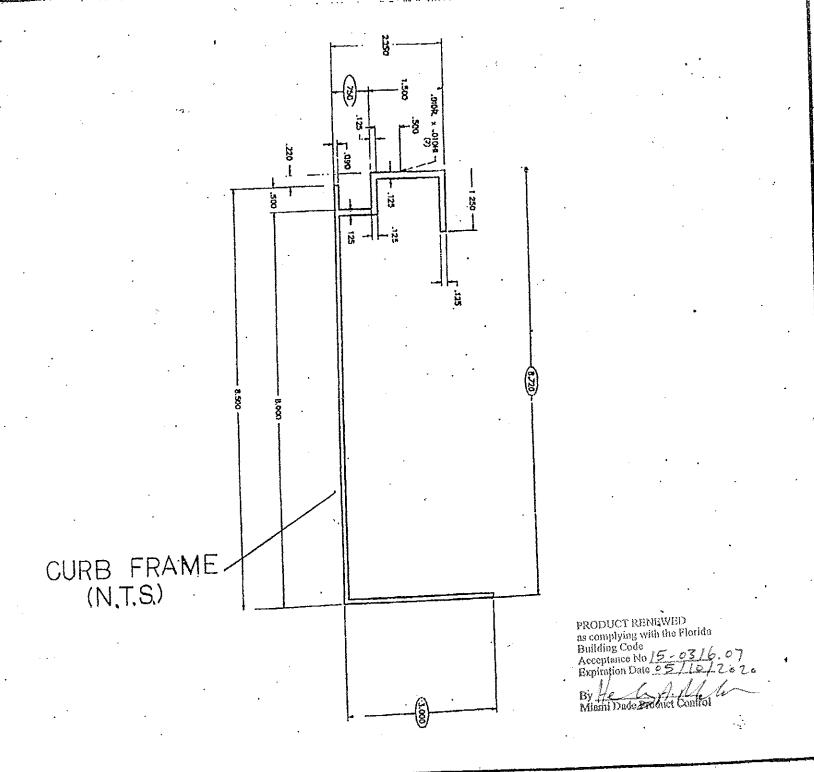
1. None.

Henny A. Makar, P.E., M.S. Product Control Unit Supervisor

> NOA No. 15-0316.07 Expiration Date: 05/10/2020 Approval Date: 04/02/2015







PRODUCT REVISED
as complying with the Florida
Building Code

MIAMI-DADE COUNTY



FLÖRIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

02012 TILTECO, INC

TILLIT TESTING & ENGINEERING COMPANY
6365 N.M. 36th, St., St., VOS. VIRGAM GROUNS, FL. 33166
Enodo: (305)971-1530 . Fax I (305)471-1531

Enodo: (305)971-1530 . Fax I (305)471-1531

ED-0006719

WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167

DESIGN PLASTICS, INC. 701 N. ANDREWS AVE. FT. LAUD., FL. 33311 DRAWN BY GT APPROVED BY:

SCALE: NTS DATE: 8/17/00

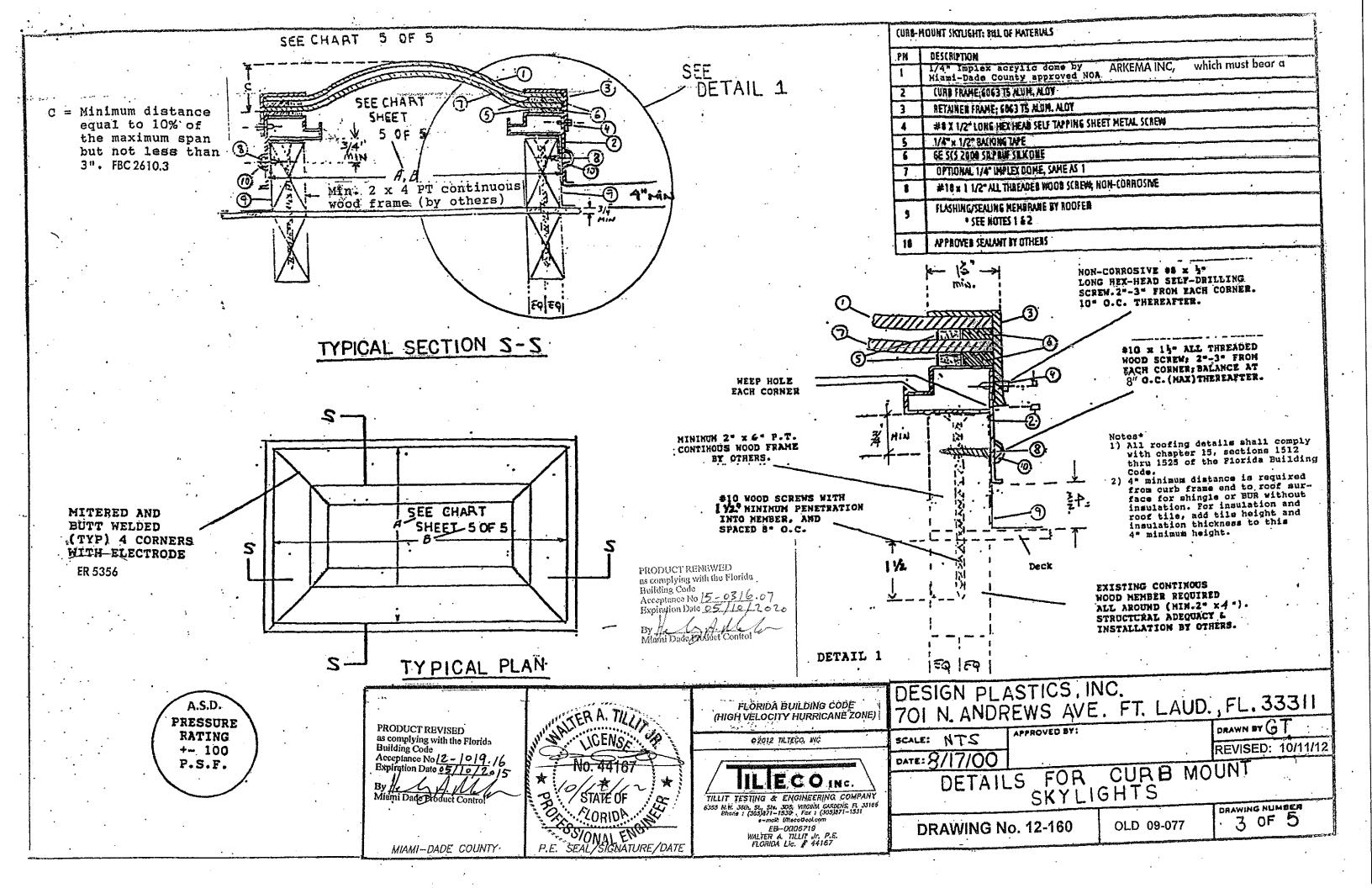
REVISED: 10/11/12

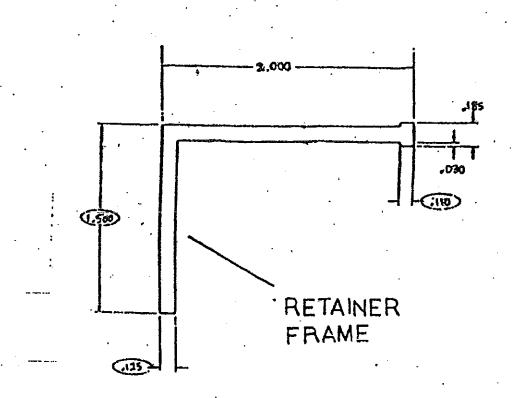
COMPONENTS FOR SELF CURBING SKYLIGHTS

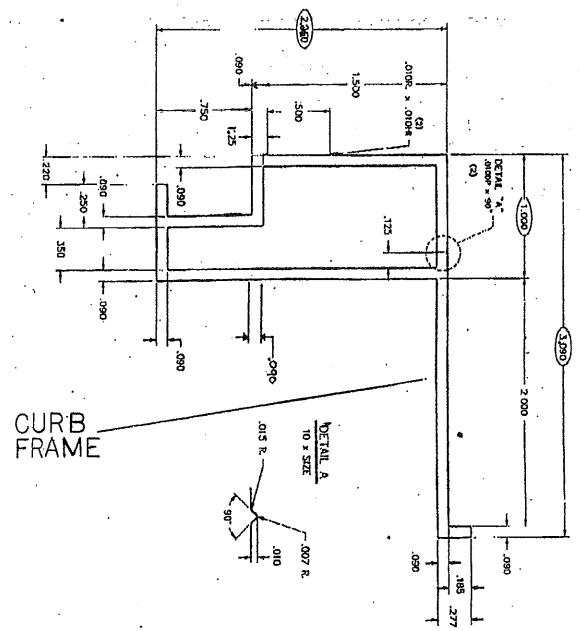
DRAWING No. 12-160

OLD 09-077

DRAWING NUMBER







PRODUCT RENEWED as complying with the Florida Building Code Acceptance No 15-03/6.07 Expiration Date 05/10/2020

PRODUCT REVISED as complying with the Florida Building Code Acceptance No | 2 - 10 | 9 . 16 Expiration Date 05/10/2015 MIAMI-DADE COUNTY

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

O 2012 THITECO, INC

IL ECO INC.

TILLIT TESTING & ENGINEERING COMPANY ESS N.B. Sell, S.J. S. S.S. VIRORM GROPE'S, R. 33166

Elong: (305)871-1530, Fax 1 (305)871-1531

e-moth inecodoologm

EB-0006719

WALTER A. TILIT Jr. P.S.

FLORIDA Lic. # 44167

DESIGN PLASTICS, INC.

701 N. ANDREWS AVE. FT. LAUD. , FL. 33311

DATE: 8/17/00

DRAWN BY GT REVISED: 10/11/12

COMPONENTS FOR CURB MOUNTING SKYLIGHTS

DRAWING No. 12-160

OLD 09-077

4 OF 5

BASIC DIMENSIONS CHART FOR SELF CURBING SKYLIGHTS

	·	.	
DL 2001	Α	В	G*
001	14.25 14.25 14.25	14.25 22.25 46.25	4 4
-234567890-234567890- 00000000000000000000000000000000000	14.25 14.25 14.25 12.22 12.25 15.25 16.25	22.25 37 4625	G HES 44444444444445556677
0000	22.25 22.25 30.25	69.50 89.50 30.25	4 4 4
0 2 0 3 0 1 4	3025 3025 37 37	46.25 69.25 37 75	, 4 , 4
0 5 0 6 7	46.25 46.25 46.25	4625 69.25 89.25	5555
018	55 57.25 69.50	55 8925 6950	6677
		082U	

C = Minimum distance equal to 10% of the maximum span but not less than 3". FBC 2610.3

BASIC DIMENSIONS CHART FOR CURB MOUNTING SKYLIGHTS

		****		~
,	DL3001	Α	B	C*
	123456789012345678901 00000000011111111122	17.25 25,25 25,25 25,25 25,25 25,25 33,25 40 33,25 49,25 49,25 49,25 60,50	72.50 92.50 33.25 40 49.25 72.50 72.50 92.50 92.50 72.50	44444444444444556677

General Notes

1. Skylight shown on this Product Approval Document (P.A.D.) has been verified for compliance with the 2010 edition of the Florida Building Code as per Fenestration Testing Laboratory Report # 2608. Skylight may be installed within High Velocity Hurricane Zones. Design loads shall be determined as per Chapter 30 of ASCE 7-10 for a basic wind speed per section 1620 of the Florida Building Code.

2. Skylight assembly shall be installed separated from each other a distance of no less than 4-0 measured in a horizontal plane per Florida Building Code 2612.4.4.2.

3. Where exterior wall openings on a building are required to be fire rated, skylight shall not be installed within 6'-0 of such exterior wall, per Florida Building Code

4. This skylight shall comply with section 2612.4.4.1 of the Florida Building Code.

Acrylic sheet shall be as manufactured by Arkema, Inc. - Implex Acrylic Sheets. and must bear a current Miami Dade County Approval.

Screws to be all threaded with minimum yield strength of 80,000 p.s.i. and to be manufactured of non-corrosive materials or protected by a rust resistant coating that shall comply with the following.

Material Zinc Plated ASTM B633 ASTM B456 type SC Nickel & Chrome plated

ASTM B766, class 8 type II and III Cadmium plated ASTM B593 & B594 Austenitic stainless steel

7. Finishes of aluminum extrusions (when applicable) shall conform to Specifications Pigmented organic coating AAMA 2603, 2604 or 2605 **AAMA 611** Anodized

Skylight supporting frame shall be structurally designed by others.

(A) This Product Approval Document (P.A.D.) prepared by this engineer is generic and does not provide information for a site specific project; 1.e. where the site conditions deviate from the P.A.D.

(B) Contractor to be responsible for the selection, purchase and installation including life safety of this product base don this Product Approval provided he/she does not deviate fre' the conditions detailed on this document. Construction safety at site is the contractor's responsibility.

(C) This Product Approval Document will be considered invalid if modified.

(D) Site specific projects shall be prepared by a Florida Registered Engineer or Architect which will become the Professional of Record (P.O.R.) for the project and who will be responsible for the proper use of the P.A.D.

(E) This P.A.D. shall comply with section 2: 61G15 of the Florida Administrative Code.

CHARTS INCLUDE STANDARD SIZES LISTED ABOVE CHARTS DO NOT INCLUDE CUSTOM SIZES UP TO LARGEST SIZE LISTED

> PRODUCT REVISED as complying with the Florida Building Code Acceptance No 12 Expiration Date 05 MIAMI-DADE COUNTY

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

PRODUCT RENEWED

Building Code

as complying with the Florida

Acceptance No 15 -0316.0

Expination Date 25/10/202

O 2012 TILTECO, INC

TILLIT TESTING & ENGINEERING COMPANY EB-0006719 WALTER A. TILLIT Jr. P.E. FLOSIDA Lie. # 44167

DESIGN PLASTICS, INC.

701 N. ANDREWS AVE. FT. LAUD., FL. 33311

APPROVED BY: SCALE: NTS DATE: 8/17/00

REVISED: 10/11/12

BASIC DIMENSIONS CHARTS GENERAL NOTES

DRAWING No. 12-160

OLD 09-077

DRAWING NUMBER 5 OF 5

DRAWN BY GT